

## FIORINIA Targ.

*F. fiorinia* Targ. On camellia, palms, ficus, orchids and others.

## ASPIDIOTUS Bouché

*A. britannicus* Newst. On bay trees.

*A. cyanophylli* Sign. On palms, orchids, ficus.

*A. hederæ* Vall. On orchids, palms, cycads, oleander, citrus, ivy and many others.

*A. rapax* Comst. On bay trees, palms, camellia.

## CHRYSOPHIALUS Ashm.

*C. aonidum* Linn. On palms, pandanus, ficus, bay trees, camellia, citrus.

*C. auranti*i Mask. On citrus, palms, pandanus.

*C. dictyospermi* Morg. On palms, pandanus, latania.

*C. perseæ* Comst. On orchids.

*C. rossi* Mask. On orchids.

## TARGIONIA Sign.

*T. biformis* Ckll. On orchids.

## LEPIDOSAPHES Schimer.

*L. beckii* Newm. On citrus, croton.

*L. gloverii* Pack. On palms, citrus.

## ISCIINASPIS Dougl.

*I. longirostris* Sign. On palms, pandanus.

## PARLATORIA Targ.

*P. pergandii* Comst. On citrus.

The above list verifies most of the records furnished by Dr. W. E. Britton for Smith's 1909 list of "The Insects of New Jersey," and increases the number of greenhouse species from nineteen to thirty-two.

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 THE HOST OF *ZELIA VERTEBRATA* (DIPTERA, DEXIDÆ).

BY J. A. HYSLOP,  
Bureau of Entomology.

In the April number of this JOURNAL, Volume 22, No. 2, the writer published some observations on the life history of *Meracantha contracta* Beauv. At that time two parasites of this insect were recorded. A third parasite has since been reared, namely, *Zelia vertebrata* (Say). Mr. W. R. Walton in determining this

insect said: "The habits of this fly have hitherto been unknown though it is very common in the woods, in fact, one can hardly go into the forest anywhere in this part of the country (about Washington, D. C.), particularly during the months of July and August, without finding this fly sitting around on tree trunks. The females are quite different in appearance from the males." I therefore think it advisable that what little data we have relative to the habits of this *Dexiid* be published.

On April 6, 1915, two larvæ of *Meracantha* were collected under the club moss, *Polytrichum ohioensis*. A parasite emerged from one of these larvæ and pupated on May 10 and the adult fly emerged on June 7.

The other larva moulted on May 15 and appeared to be in good health. However, on June 22 a parasite emerged from this larva and pupated. On July 9 an adult *Zelia vertebrata* emerged. These parasitic larvæ had spent at least six weeks within their hosts, and the puparium stage covered from seventeen to twenty-seven days.

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#### DR. FREDERICK WILLIAM RUSSELL.

Dr. Frederick W. Russell, a former member of the Cambridge Entomological Club, died at the residence of his son-in-law, Dr. Frank J. Hall, Dallas, Texas, November 20, 1915, aged seventy-one.

He graduated from Harvard in 1869 and from the Medical Department of the New York University in 1871. A resident of Winchendon, Mass., for many years, he frequently attended the meetings of the club even from that distance. As a member of the Boston Society of Natural History he took a great interest in the work of building up the New England collection of insects and contributed many rare and interesting moths—the group in which he was especially interested. He was a genial friend and companion and the club wishes to express its sorrow in the loss of a friend and fellow-worker.

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